

The application was originally made under the Patent Cooperation Treaty with the Soviet Union Patent Office acting as the receiving office on (86) 19 Jun 1980, being given an application number PCT/SU80/00104. The application was searched by the Soviet Union Patent Office acting as the International Search Authority (ISA), and published by the International Bureau on (87) 14 May 1981 under serial number WO81/01290 in the Russian language. The text of the application is contained in the publication made by the International Bureau as above identified. The accompanying text being an English translation thereof.

(12) UK Patent Application (19) GB (11) 2 114 578 A

(21) Application No 8120002 Lyon House
(22) Date of filing Lyon Road
19 Jun 1980 Harrow
(30) Priority data Middlesex HA1 2ET
(31) 2831351
2912552
2912551
(32) 6 Nov 1979
28 Feb 1980
28 Feb 1980
(33) Soviet Union (SU)
(43) Date of issue
24 Aug 1983
(51) INT CL³ (AS GIVEN BY
ISA) C08F 220/56 C08L
33/26
(52) Domestic classification
C3L DF
C3P JG
C3W 210 227
C3Y B370 E300
U1S 1040 1064 1068
1336 C3L C3P
(56) Documents cited by ISA
GB A 1288438
GB A 1319751
US A 3046201
SU A 659619
(58) Field of search by ISA
INT C¹
C08F 220/56
C08L 33/26
C12K 1/06
INT Cl C08 15/02
C08F 29/00
German 39c 25/01
US-195-100
260-89.7
526-307
GB 2(6) P
C3P
C6F FR group 14 class 5
8 CH 37h AT 39-6 12
14
CA 400 401 402
(71) Applicant
Kievsky Meditsinsky
Institut Imeni
Akademika A
A Bogomoltsa (USSR)
252004 Kiev
br Shevchenko d 13
USSR
(72) Inventors
Vladimir Vladislavovich
Gashinsky
Ivan Petrovich Bilko
Anatoly Mikhailovich
Sokolyuk
(74) Agent and/or Address for
Service
Mathisen Macara and Co

ing carried out in the medium of the physiological solution. The polyacrylamide gel can be used as a base of nutrient mediums for growing microorganisms, artificial crystalline lenses and elastic contact lenses.

(54) Polyacrylamide gel for medical and biological application and method of its preparation

(57) A polyacrylamide gel for medical and biological application contains polyacrylamide and physiological solution with the following ratio of components (in % by weight):

polyacrylamide	3.0-28.0
physiological solution	72.0-97.0

The method of preparation of the said polyacrylamide gel comprises polymerization of acrylamide together with methylene-bis-acrylamide and elution of the final product, both polymerization and elution be-

GB 2 114 578 A